1	L Number	Hits	Search Text	DB	Time stamp
2	1	_		USPAT;	2004/07/07 10:26
1009996   100996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   1009996   100996   1009996   1009996   1009996   1009996   1009996   100999			or ("6167757")).PN.	US-PGPUB	
1009996	2	97241	plating	1	2004/07/07 11:05
214791   spacer   USPAT; USP		100000			2004/07/07 10 27
214791   spacer     22467   mms     228267   mms   228267   mms     228267   mms     228267   mms     228267   mms   228267   mms   228267   mms     228267   mms   228267   mms     228267   mms     228267   mms     228267   mms     228267   mms     228267   mms     228267   mms     228267   m	3	1009996	Vertical	1	2004/07/07 10:27
Section   Sect	4	214791	spacer		2004/07/07 10:27
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173	5	28267	mems		2004/07/07 10:27
1				US-PGPUB	
10	6	173	plating and vertical and spacer and mems	USPAT;	2004/07/07 10:42
13				US-PGPUB	
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13		420			2004/07/07 10 20
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vertical and spacer and mems) and @ad<20010823)   USPAT;	10	134	((plating and spacer and mems) and @ad<20010823) not ((plating and	ĭ	2004/07/07 10:39
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13	11	3841	micromechanical	USPAT;	2004/07/07 10:38
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15	13	30	(plating and spacer and micromechanical) and @ad<20010823	1	2004/07/07 10:42
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15 ((plating and spacer and micromechanical) and @ad<20010823) not "19" not ((plating and spacer and mems) and @ad<20010823) not ((plating	17	173	(plating and ments and sacrificial) and (wad<20010823	•	2004/07/07 11:06
((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823) not ((plating and spacer	18	15	((plating and spacer and micromechanical) and @ad<20010823) not "19" not	•	2004/07/07 10:43
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and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)  22 31736 resonator USPAT; 2004/07/07 11:05  USPAT; 2004/07/07 11:05  USPAT; 2004/07/07 11:05	21	129		•	2004/07/07 11:07
mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) resonator  USPAT; USPAT; US-PGPUB US-PGPUB USPAT; 2004/07/07 11:05				US-PGPUB	
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not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)  22 31736 resonator  USPAT; US-PGPUB US-PGPUB USPAT; 2004/07/07 11:05			,		
((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)  22 31736 resonator  USPAT; US-PGPUB US-PGPUB USPAT; 2004/07/07 11:06			· · · · · · · · · · · · · · · · · · ·		
vertical and spacer and mems) and @ad<20010823)  184443 plating plated electroplating electroplated  vertical and spacer and mems) and @ad<20010823)  USPAT; 2004/07/07 11:05  USPAT; 2004/07/07 11:06			\" \" \" \" \" \" \" \" \" \" \" \" \" \		
22 31736 resonator USPAT; 2004/07/07 11:05 23 184443 plating plated electroplating electroplated USPAT; 2004/07/07 11:06					
US-PGPUB USPAT; 2004/07/07 11:06	22	21726	, , ,	IICDAT.	2004/07/07 11:05
23 184443 plating plated electroplating electroplated USPAT; 2004/07/07 11:06	22	31/30	1 COUNTAINI	•	2004/07/07 11:05
	23	184443	plating plated electroplating electroplated		2004/07/07 11:06
US-PGPUB I				US-PGPUB	

24	2930	resonator and (plating plated electroplating electroplated )	USPAT;	2004/07/07 11:29
			US-PGPUB	
25	125	sacrificial and (resonator and (plating plated electroplating electroplated ))	USPAT;	2004/07/07 11:06
			US-PGPUB	
26	55	(sacrificial and (resonator and (plating plated electroplating electroplated )))	USPAT;	2004/07/07 11:19
		and @ad<20010823	US-PGPUB	
27	39	((sacrificial and (resonator and (plating plated electroplating electroplated )))	USPAT;	2004/07/07 11:14
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		and @ad<20010823)) not ((plating and spacer and mems) and		
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28	2204	spacer and resonator	USPAT;	2004/07/07 11:18
			US-PGPUB	
29	112	sacrificial and (spacer and resonator)	USPAT;	2004/07/07 11:14
			US-PGPUB	

				2004/05/05 44 45
30	97	(sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and me	USPAT; US-PGPUB	2004/07/07 11:19
		and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and		
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32	337	(sacrificial and resonator) and @ad<20010823	USPAT; US-PGPUB	2004/07/07 11:29

3	238	((sacrificial and resonator) and @ad<20010823) not ((sacrificial and (spacer	USPAT;	2004/07/07 11:3
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
į		((plating and spacer and micromechanical) and @ad<20010823) not	,	
İ		(((plating and spacer and mems) and @ad<20010823) not ((plating and		<u> </u>
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		@ad<20010823) not (((plating and spacer and micromechanical) and		
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		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
ļ		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
j		and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		<u> </u>
İ		@ad<20010823)) not ((sacrificial and (resonator and (plating plated		
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		and sacrificial) and @ad<20010823) not (((plating and spacer and		
		micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and		
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i		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and micromechanical) and @ad<20010823) not		
		(((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and mems) and @ad<20010823) not ((plating and vertical and spacer and		
:		mems) and @ad<20010823)) not ((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and		
		@ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
]		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
İ		((plating and spacer and mems) and @ad<20010823) not ((plating and		
	•	vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		ļ
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and (@ad<20010823)) not (sacrificial and (spacer and resonator)) not		
		(((sacrificial and (resonator and (plating plated electroplating electroplated		
		))) and @ad<20010823) not (((plating and mems and sacrificial) and		
Ī		@ad<20010823) not (((plating and spacer and micromechanical) and		
		@ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and	1	
Ì		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)	1	
		and @ad<20010823)) not ((plating and spacer and mems) and		
Ì		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
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		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
ł		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
		and @ad<20010823)) not ((plating and spacer and mems) and		1
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((sacrificial and (resonator and (plating plated		
rch Histor		2:215ch20 Blating a sectroplated ))) and @ad<20010823) not (((plating and mems		
APPS\eas		120625892ficial) and @ad<20010823) not (((plating and spacer and		
1		micromechanical) and @ad<20010823) not (((plating and spacer and mems)		

34	387	spacer and (resonator and (plating plated electroplating electroplated ))	USPAT;	2004/07/07 11:29
			US-PGPUB	
35	276	(spacer and (resonator and (plating plated electroplating electroplated ))) and	USPAT;	2004/07/07 11:37
		@ad<20010823	US-PGPUB	

36	257	((spacer and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((sacrificial and resonator) and @ad<20010823)	USPAT; US-PGPUB	2004/07/07 11:3
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		and (plating plated electroplating electroplated ))) and @ad<20010823) not		
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		spacer and micromechanical) and @ad<20010823) not (((plating and spacer		
		and mems) and @ad<20010823) not ((plating and vertical and spacer and		
		mems) and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((plating and spacer and micromechanical) and		
		@ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and mems		
		and sacrificial) and @ad<20010823) not (((plating and spacer and		
		micromechanical) and @ad<20010823) not (((plating and spacer and mems)		
		and @ad<20010823) not ((plating and vertical and spacer and mems) and		
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and micromechanical) and @ad<20010823) not		
		(((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and mems) and @ad<20010823) not ((plating and vertical and spacer and		
		mems) and @ad<20010823)) not ((sacrificial and (resonator and (plating		
		plated electroplating electroplated ))) and @ad<20010823) not (((plating and		
		mems and sacrificial) and @ad<20010823) not (((plating and spacer and		
		micromechanical) and @ad<20010823) not (((plating and spacer and mems)		
		and @ad<20010823) not ((plating and vertical and spacer and mems) and		
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and micromechanical) and @ad<20010823) not		
	İ	(((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and mems) and @ad<20010823) not ((plating and vertical and spacer and		
		mems) and @ad<20010823) not ((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and		
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
		and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not (sacrificial and (spacer and resonator)) not		
		(((sacrificial and (resonator and (plating plated electroplating electroplated		
		))) and @ad<20010823) not (((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and		
		@ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
		and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and		
		@ad<20010823) not (((plating and spacer and mems) and @ad<20010823)		
		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
		and @ad<20010823)) not ((plating and spacer and mems) and		
earch Histo	7/7/04 1	@ad<20010823) not ((plating and vertical and spacer and mems) and		<del> </del>
		2:35ad 2200108203) hot ((sacrificial and (resonator and (plating plated 10625092ating electroplated ))) and @ad<20010823) not (((plating and mems		
( / L) L)	atworksDACES	AIMIDEUD PRANTE CICCII OPIAICU III AIIU (WAU-LVOLOCA) IIUL (((PIALIII) AIIQ IIICIIIS	I	1

37	8013	mems and (plating plated electroplating electroplated )	USPAT;	2004/07/07 11:37
			US-PGPUB	
38	831	mems and sacrificial and (plating plated electroplating electroplated)	USPAT;	2004/07/07 11:37
	İ		US-PGPUB	
39	443	(mems and sacrificial and (plating plated electroplating electroplated )) and	USPAT;	2004/07/07 11:45
		@ad<20010823	US-PGPUB	

40	260	((mems and sacrificial and (plating plated electroplating electroplated )) and	USPAT;	2004/07/07 11:45
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		micromechanical) and @ad<20010823) not (((plating and spacer and mems)		
		and @ad<20010823) not ((plating and vertical and spacer and mems) and		
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
		((plating and spacer and micromechanical) and @ad<20010823) not ((plating and spacer and mems) and @ad<20010823) not ((plating and		
		vertical and spacer and mems) and @ad<20010823) not ((plating and spacer)		
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		@ad<20010823) not (((plating and spacer and micromechanical) and		
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	·	((plating and spacer and mems) and @ad<20010823) not ((plating and spacer)		
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		and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((sacrificial and (resonator and (plating plated		
		electroplating electroplated ))) and @ad<20010823) not (((plating and mems		
		and sacrificial) and @ad<20010823) not (((plating and spacer and		
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		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
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		(((sacrificial and (resonator and (plating plated electroplating electroplated		
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		not ((plating and vertical and spacer and mems) and @ad<20010823)) not		
	1	((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer		
		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and spacer and mems)		
		and @ad<20010823)) not ((plating and spacer and mems) and		
		@ad<20010823) not ((plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((plating and mems and sacrificial) and		
		@ad<20010823) not (((plating and spacer and micromechanical) and		
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		and micromechanical) and @ad<20010823) not (((plating and spacer and		
		mems) and @ad<20010823) not ((plating and vertical and spacer and mems)		
earch Histo	ory 7/7/04 1	2:2010 (2010 120 2010 120 2010) not ((plating and spacer and mems) and		
:\APPS\eas	st\workspaces	106259200 (plating and vertical and spacer and mems) and		
		@ad<20010823)) not ((sacrificial and (resonator and (plating plated		

41	5	438/48-53	USPAT;	2004/07/07 11:44
			US-PGPUB	
42	1581	(438/48-53).CCLS.	USPAT;	2004/07/07 11:44
			US-PGPUB	
43	228	(plating plated electroplating electroplated) and ((438/48-53).CCLS.)	USPAT;	2004/07/07 11:45
			US-PGPUB	

USPAT;

**US-PGPUB** 

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((plating plated electroplating electroplated ) and ((438/48-53).CCLS.)) not (((mems and sacrificial and (plating plated electroplating electroplated )) and @ad<20010823) not (((spacer and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((sacrificial and resonator) and @ad<20010823) not ((sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not (sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer

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(((plating plated electroplating electroplated ) and ((438/48-53).CCLS.)) not (((mems and sacrificial and (plating plated electroplating electroplated )) and @ad<20010823) not (((spacer and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((sacrificial and resonator) and @ad<20010823) not ((sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not (sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer

er )

46	123	resonator and ((438/48-53).CCLS.)	USPAT;	2004/07/07 11:50
			US-PGPUB	
47	87	(resonator and ((438/48-53).CCLS.)) and @ad<20010823	USPAT;	2004/07/07 12:06
			US-PGPUB	

((resonator and ((438/48-53).CCLS.)) and @ad<20010823) not ((((plating plated electroplating electroplated ) and ((438/48-53).CCLS.)) not (((mems and sacrificial and (plating plated electroplating electroplated )) and @ad<20010823) not (((spacer and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((sacrificial and resonator) and @ad<20010823) not ((sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not (sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823)

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not ((plating and vertical and spacer and mems) and @ad<20010823)) not

((plating and spacer and mems) and @ad<20010823) not ((plating and

49	199	spacer and ((438/48-53).CCLS.)	USPAT;	2004/07/07 12:06
			US-PGPUB	
50	133	(spacer and ((438/48-53).CCLS.)) and @ad<20010823	USPAT;	2004/07/07 12:06
			US-PGPUB	

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((spacer and ((438/48-53).CCLS.)) and @ad<20010823) not (((resonator and ((438/48-53).CCLS.)) and @ad<20010823) not ((((plating plated electroplating electroplated ) and ((438/48-53).CCLS.)) not (((mems and sacrificial and (plating plated electroplating electroplated )) and @ad<20010823) not (((spacer and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((sacrificial and resonator) and @ad<20010823) not ((sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not (sacrificial and (spacer and resonator)) not (((sacrificial and (resonator and (plating plated electroplating electroplated ))) and @ad<20010823) not (((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not ((plating and mems and sacrificial) and @ad<20010823) not (((plating and spacer and micromechanical) and @ad<20010823) not (((plating and spacer and mems) and @ad<20010823) not ((plating and vertical and spacer and mems) and @ad<20010823)) not

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((plating and spacer and mems) and @ad<20010823) not ((plating and